

Details of user manual download from <http://www.costronic.com.tw/Edownload.htm>

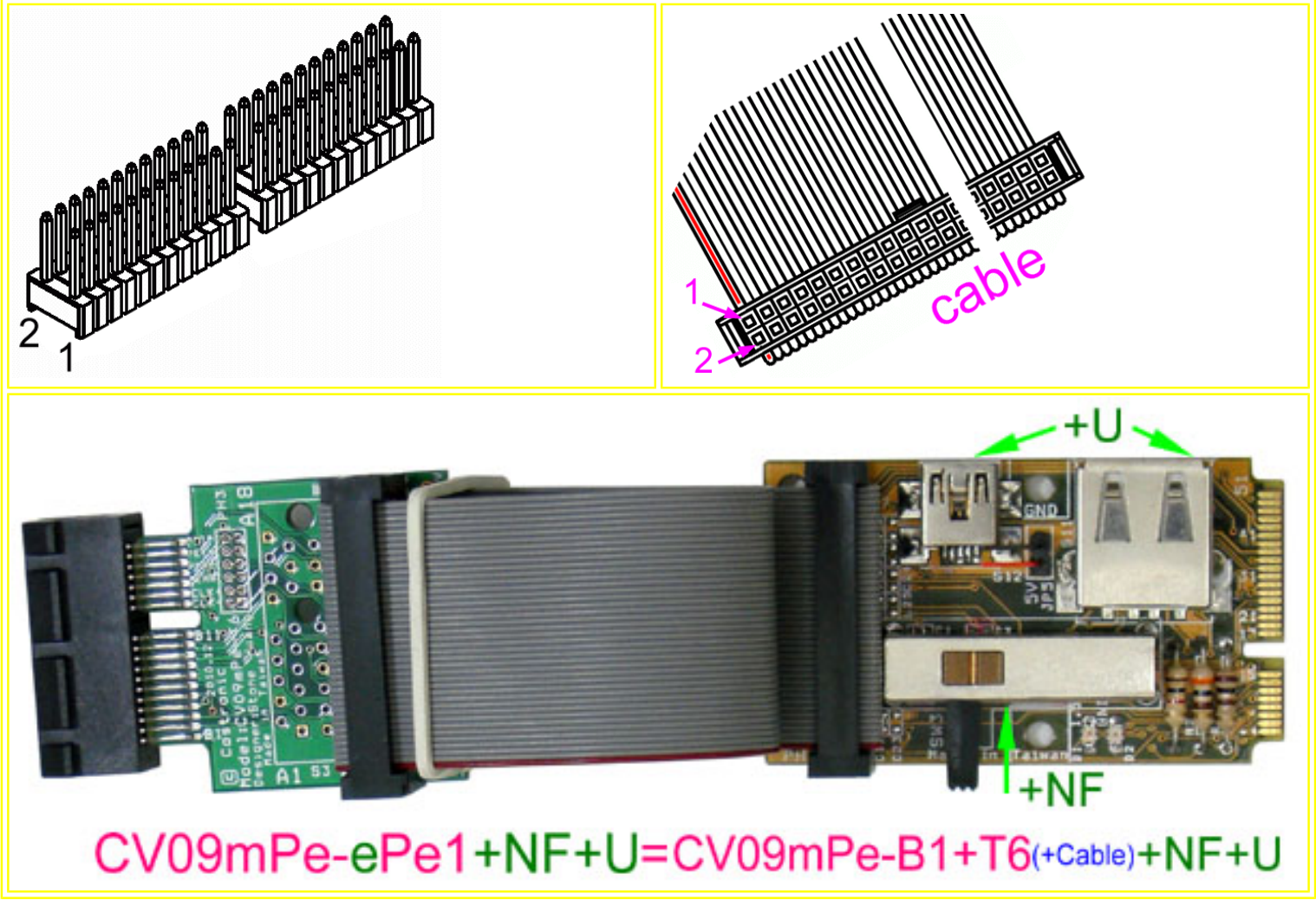
Installation and Operation:

1. Make sure the motherboard **Power Off** to install **Costronic's card**.
2. The **Add-in card must without short circuit** otherwise will cause damage.
3. Do not **over-shake swapping/plugging Add-in card** to prevent damage.

Switch and Jumper setup:

PH1: Master board's(**B1**) **PH1** connect cable to

Target board's(T6) PH1, the red side of cable insert into pin header's **first 1** pin.



Description:

CV09mPe-ePe1 Mini PCI Express **external** PCI Express card

1. External type card from Mini PCI Express bus to normal PCI Express.
2. if PCI Express slot want to use 12V power source, must DIY solder on [SH09mPe-T6](#).
3. LED inductor : 1.5V, 3.3V(=GND), 12V.

* For external type converter card, to **short the length** of [cable](#) if unstable.

Option: add Switch for Mini PCI Express bus power source(3.3v, 1.5v) ON-OFF ,		+NF
Option: add USB connector and Cable B, for input 5V power source to USB.		+U

S1		MPCIEG		PH1	
WAKE	1	WAKE#	3.3VAUX	WAKE	1
3	3	RSWCOEX1	GND	3	3
5	5	RSWCOEX2	1.5V	5	5
CLKREQ	7	CLKREQ#	8	CLKREQ	7
GND	9	GND	10	GND	9
REFCLK-G	11	REFCLK-	12	REFCLK+	11
REFCLK+G	13	REFCLK+	14	10	13
GND	15	GND	16	14	15
17	17	RSWUIMC8	GND	17	17
19	19	RSWUIMC4	RSWWDIS#	19	19
GND	21	GND	PERST#	21	21
PERNOG	23	PERNO	3.3VAUX	PERPD	23
PERPDG	25	PERPD	GND	3VAUX	25
GND	27	GND	1.5V	SMDATA	27
GND	29	GND	SMB_CLK	PETNO	29
PETNOG	31	PETNO	SMB_DATA	GND	31
PETPDG	33	PETPD	GND	USB+	33
GND	35	GND	USB-	GNDNR	35
GNDNR	37	GND	USB+	3VR	37
3VR	39	RSW/GND	GND	3VG	39
3VR	41	RSW3.3AUX	GND		
GNDNR	43	RSW3.3AUX	LED_WWAN#		
45	45	RVS/GND	LED_WLAN#		
47	47	RSV	LED_WPAN#		
49	49	RSV	1.5V		
51	51	RSV	GND		
			3.3VAUX		

PH2X20	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40